

ICS 97.140



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 24977-2010

**Bathroom furniture
(English Translation)**

Issued on: August 9, 2010

Implemented on: June 1, 2011

Issued by: State Administration for Market Regulation;

Table of Contents

Foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Product categories	6
5 Requirements	7
6 Test method	14
7 Inspection rules	20
8 Marking, packaging, transportation, storage, instruction for use	23

1 Scope

This standard specifies the terms and definitions, product classification, requirements, test methods, inspection rules and markings, packaging, transportation, storage, use instructions of bathroom furniture.

This standard applies to the furniture used in toilets and bathrooms. The furniture used in other similar places can be implemented with reference to this standard.

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard;

however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable.

For undated references, the latest edition of the referenced document applies.

GB/T 1732 Determination of impact resistance of film GB/T 2828.1-2003 Sampling procedures for inspection by attributes -Part 1.

Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection GB 4706.1-2005 Household and similar electrical appliances - Safety - Part 1: General requirements GB/T 4893.1 Furniture - Assessment of surface resistance to cold liquids GB/T 4893.2 Furniture - Assessment of surface resistance to wet heat GB/T 4893.3 Furniture - Assessment of surface resistance to dry heat GB/T 4893.4 Test of surface coatings of furniture - Part 4: Determination of adhesion - Cross cut GB/T 4893.7 Test of

surface coatings of furniture - Part 7: Determination of surface resistance to alternation of heat and cold GB/T 4893.8 Test of surface coatings of furniture - Part 8: Determination of wearability GB/T 4893.9 Test of surface coatings of furniture - Part 9: Determination of resistance to impact GB 5296.6 Instructions for use of products of consumer interest - Part 6.

furniture

GB 6566 Limit for radionuclides in building materials GB/T 6739-2006 Paints and varnishes - Determination of film hardness by pencil test GB/T 10357.1 Test of mechanical properties of furniture - Part 1: Strength and durability of tables GB/T 10357.5 Test of mechanical properties of furniture - Part 5: Strength and durability of storage units GB/T 13667.1-2003 Specification for steel book shelves GB/T 17657-1999 Test methods of evaluating the properties of wood-based panels and surface decorated wood-based panels GB 18584 Indoor decorating and refurbishing materials - Limit of harmful substances of wood based furniture JC 981-2005 Household glass-washbowl and tabletop QB/T 1102-2006 Civil ornamental mirror QB 2658-2004 Lavatory for sanitary fittings QB/T 3814-1999 Surface examination method of the metal deposits and conversion coatings for the light industrial products QB/T 3826-1999 Corrosion-resistant testing method of the metal deposits and conversion coatings for the light industrial products - Neutral salt spraying test (NSS)

3 Terms and definitions

The following terms and definitions apply to this standard.

Bathroom furniture

It is a unified term of series of cabinets (stands) and racks in the toilets and bathrooms that are used to support washbasins and have shelf and storage

5.7 Hygiene and safety requirements (basic items)

5.7.1

The limit of harmful substances in wooden products shall meet the requirements of GB 18584.

5.7.2

The radioactivity of the product shall meet the grade A requirements in GB 6566.

5.7.3 Parts or accessories that may be touched during normal use shall not

have burrs, sharp ends, sharp edges, or sharp corners.

5.8 Installation and use requirements (basic items)

5.8.1

The components of the product shall be connected firmly and tightly; the joint shall be flat and free from chipping and loosening.

5.8.2

The installation of various accessories and connectors shall not miss parts or nails, or have penetrated nail.

5.8.3 After installation, the opening and closing components shall be operated

flexibly.

5.8.4 There shall be no seepage or water leakage under normal use after

installation between all parts of the product.

5.8.5 The cabinet shall be level after installation; the parallelism with the ground shall not be greater than 0.7 per mille.

5.8.6 The cabinet installation shall be vertical. All moving parts shall not be self-opening after being impacted by external forces.

5.8.7 The electrical appliances such as lamps, sockets and switches shall be installed firmly and grounded reliably.

6.1 Determination of major dimensional deviations, shape and position

tolerances

6.1.1 Determination of major dimensional deviations

The sample shall be placed on a flat plate or flat ground; measured by a steel ruler or tape measure with an accuracy of not less than 1 mm. The dimensional deviation is the difference between the product identification value and the measured value.

6.1.2 Determination of warpage

Make determination according to the requirements of GB/T 4893.1 ~ 4893.4, GB/T 4893.7 ~ 4893.9, 4.40 of GB/T 17657-1999.

6.4.2.2 Determination of physical and chemical properties of soft and hard

coverings

Make determination according to the requirements of GB/T 4893.1 ~ 4893.3, GB/T 4893.7,

4.29, 4.38, 4.40 of GB/T 17657-1999.

6.4.2.3 Determination of physical and chemical properties of metal

surface coatings

6.4.2.3.1 Hardness

Make determination according to the requirements of GB/T 6739-2006.

6.4.2.3.2 Impact strength

Make determination according to the requirements of GB/T 1732.

6.4.2.3.3 Corrosion resistance

Make determination according to the requirements of 7.3.3.7 of GB/T 13667.1-2003.

6.4.2.3.4 Adhesion

Make determination according to the requirements of GB/T 4893.4.

6.4.2.4 Roughness of metal plating layer

Make determination according to the requirements of 3.2 of QB/T 3814-1999.

6.4.2.5 Resistance to salt spray on metal plating

Make determination according to the requirements of QB/T 3826-1999.

6.4.2.6 24h water absorption thickness swelling rate of wooden parts Make determination according to the requirements of 4.6 in GB/T 17657-1999.

6.4.2.7 Dip peel off of veneer and soft-hard veneer

Make determination according to the requirements of the category II dip peel off test of clause 4.17 of GB/T 17657-1999.

6.5 Water resistance

As shown in Figure 2, use a 50 ~ 80 hole shower head with a hole diameter of 1.0 mm ~ 1.5 mm and a flow rate of 10 L/min ~ 12 L/min, to sprinkle the

6.7 Hygiene and safety requirements test

6.7.1

The limit test of harmful substances in wooden products shall be determined in accordance